

Environmental Data by Operations Base ①

This page includes the environmental data for the Kokubu Plant and Kariya Plant, out of our 13 locations, including 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2012 to March 2013

Kokubu Plant

No. of Employees 2,150



Production items

- All types of ball bearings
- Roller bearings
- Ultra-large bearings
- Hub units
- High-accuracy bearings

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	1,152,944
		Water consumed (m ³)	501,148
		Chemical substances handled (kg)	5,357
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	45,443
		NOx (kg)	1,165
		SOx (kg)	0
		Chemical substances released (kg)	1,285
	Sewage	Wastewater (m ³)	222,703
		COD (kg)	4,546
		Nitrogen (kg)	—
		Phosphorus (kg)	—
		Chemical substances transferred (kg)	52
	Materials discarded	Recycled for profit (t)	5,068
		Recycled at a charge (t)	2,125
		Waste (incineration+landfill) (t)	0
	Chemical substances transferred (kg)	1,314	

* Due to sewage disposal, there are no regulation values for COD, nitrogen, or phosphorus

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.4~8.6	7.4	7.0
BOD	480	50	21
SS	480	13	4.8
Oil content	4	3.6	2.0

Unit : mg/l (Excluding Ph)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (Annealing furnace)	Dust	0.08	0.003
	NOx	144	29
	SOx	—	—
Boiler (Hot and cold water generator)	Dust	0.08	0.003
	NOx	120	39
	SOx	—	—

Unit : Dust= g/Nm³ NOx= ppm SOx= Value K

Noise / Vibration data

Index		Regulation value	Results	
			Maximum	Average
Noise	Morning	59	56	49
	Afternoon	64	62	56
	Evening	59	56	51
	Night	54	53	48
Vibration	Daytime	68	44	34
	Nighttime	63	40	27

Foul odor

Measurement item	Regulation value	Measurement
Ammonia	0.8	0.27

- * Malodorous substances (22 substances) were measured.
- * All items not listed were below minimum determination limit.

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released				Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil	Sewage			
1	Water-soluble zinc compounds	1,676	—	—	—	168	—	1,508	
80	Xylene	3,202	3,202	—	—	—	—	—	
412	Manganese and its compounds	1,133	—	—	—	23	408	702	

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.4	7.1	6.7
COD	19	4.1	3.4
BOD	(20)	11	7.8
SS	(20)	2.8	2.1
Oil content	4	1.3	0.39
Zinc	1.6	0.03	0.03

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	4	ND	ND
Soluble manganese	1.6	ND	ND
Fluorine	4	0.15	0.13
Nitrogen	(16.1)	10	8.1
Phosphorus	(1.5)	0.05	0.04
Boron	8	0.04	0.02

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (for cafeteria use)	Dust	0.1	—
	NOx	104	66
	SOx	1.2	—
Boiler (Hot and cold water generator)	Dust	0.1	0.003
	NOx	104	47
	SOx	1.2	—

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Index		Regulation value	Results	
			Maximum	Average
Noise	Morning	64	54	49
	Afternoon	69	62	53
	Evening	64	59	51
	Night	59	57	50
Vibration	Daytime	68	49	33
	Nighttime	63	33	27

Foul odor

Measurement item	Regulation value	Measurement
Odor index	12	Less than 10

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released				Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil	Sewage			
300	Toluene	2,619	2,103	—	—	—	—	516	

Kariya Plant

No. of Employees 1,192



Production items

- Machine tools
- Mechatronics products

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	216,356
		Water consumed (m ³)	143,907
		Chemical substances handled (kg)	3,669
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	8,434
		NOx (kg)	967
		SOx (kg)	0
		Chemical substances released (kg)	3,083
	Waterways	Wastewater (m ³)	194,520
		COD (kg)	694
		Nitrogen (kg)	1,032
		Phosphorus (kg)	6.0
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	847
		Recycled at a charge (t)	283
		Waste (incineration+landfill) (t)	0
	Chemical substances transferred (kg)	0	

Environmental Data by Operations Base ②

This page includes the environmental data for the Tokushima Plant and Okazaki Plant, out of our 13 locations, including 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2012 to March 2013

Tokushima Plant

No. of Employees 1,247



Production items

- Ball bearings
- Water pump bearings
- Cylindrical roller bearings
- Special environment bearings
- Double row angular contact ball bearings

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	956,791
		Water consumed (m ³)	1,183,868
		Chemical substances handled (kg)	18,944
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	37,699
		NOx (kg)	45,412
		SOx (kg)	1,627
		Chemical substances released (kg)	3,922
	Waterways	Wastewater (m ³)	202,039
		COD (kg)	5,620
		Nitrogen (kg)	4,315
		Phosphorus (kg)	14
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	7,000
		Recycled at a charge (t)	1,555
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	0

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.2	7.6	6.6
COD	16	11	8.4
SS	24	16	3.8
Oil content	2.4	1.8	1.4
Nitrogen	25	7.7	4.5
Phosphorus	2.5	0.06	0.05

Unit : mg/l (Excluding Ph)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (Absorption type cold and hot water generator)	Dust	0.24	0.01
	NOx	144	65
	SOx	16.8	0.02
Diesel engine	Dust	0.08	0.03
	NOx	902.5	830
	SOx	16.8	0.12

Unit : Dust= g/Nm³ NOx= ppm SOx= Value K

Noise / Vibration data

Index	Regulation value	Results		Unit : dB
		Maximum	Average	
Noise	Morning	59	52	46
	Afternoon	64	59	56
	Evening	59	52	50
	Night	54	51	47
Vibration	Daytime	63	56	51
	Nighttime	58	55	51

Foul odor

- * Malodorous substances (22 substances) were measured.
- * All items were below minimum determination limit.

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released			Amount transferred Sewage : Waste	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
80	Xylene	3,894	3,894	—	—	—	—	—	—
438	Methylnaphthalene	7,505	—	—	—	—	7,505	—	—

Okazaki Plant

No. of Employees 763



Production items

- 4WD coupling
- Linear solenoid valves for AT and CVT
- Oil pumps for AT and CVT
- Propeller shafts
- Cast parts

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	562,475
		Water consumed (m ³)	90,572
		Chemical substances handled (kg)	5,234
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	23,121
		NOx (kg)	18,418
		SOx (kg)	0
		Chemical substances released (kg)	3,399
	Waterways	Wastewater (m ³)	44,773
		COD (kg)	121
		Nitrogen (kg)	238
		Phosphorus (kg)	0.7
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	6,446
		Recycled at a charge (t)	2,272
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	0

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.4	8.1	7.7
COD	16	3.3	2.5
BOD	16	3.5	2.2
SS	16	3.0	1.3
Oil content	1.6	0.50	0.25
Zinc	0.8	0.05	0.05

Unit : mg/l (Excluding Ph)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Electric furnace	Dust	0.1	0.002
	NOx	80	10
	SOx	6.1	—
Boiler (for air conditioning)	Dust	0.1	0.002
	NOx	104	38
	SOx	—	—
Heating furnace	Dust	0.1	0.002
	NOx	80	10
	SOx	6.1	—
Gas engine (cogeneration)	Dust	0.04	0.005
	NOx	160	115
	SOx	6.1	—

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Index	Regulation value	Results		Unit : dB
		Maximum	Average	
Noise	Morning	64	59	52
	Afternoon	69	63	56
	Evening	64	59	52
	Night	59	53	51
Vibration	Daytime	68	34	30
	Nighttime	63	39	31

Foul odor

Measurement item	Regulation value	Measurement
Odor index	12	Less than 10

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released			Amount transferred Sewage : Waste	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
300	Toluene	3,139	2,511	—	—	—	—	—	628

Environmental Data by Operations Base ③

This page includes the environmental data for the Tokyo Plant and Kagawa Plant, out of our 13 locations, including 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2012 to March 2013

Tokyo Plant

No. of Employees 559



Production items

- Needle roller bearings
- Constant velocity joints
- Drive shafts
- Propeller shafts

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.8~8.0	7.9	7.4
BOD	150	88	16
SS	200	30	16
Oil content	20	3.0	1.2
Nitrogen	96	84	18
Phosphorus	12.8	0.83	0.32

Unit : mg/l (Excluding Ph)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Gas suction type boiler	Dust	0.1	0.003
	NOx	44	39
	SOx	0.3	0.01

Unit : Dust= g/Nm³ NOx= ppm SOx=Value K

Noise / Vibration data

Unit : dB

Index	Regulation value	Maximum	Average
Noise	Morning	59	57
	Afternoon	69	59
	Evening	59	57
	Night	54	52
Vibration	Daytime	58	31
	Nighttime	48	24

Foul odor

- * Malodorous substances (22 substances) were measured.
- * All items were below minimum determination limit.

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	337,738
		Water consumed (m ³)	130,047
		Chemical substances handled (kg)	12,160
	OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)
NOx (kg)			1.6
SOx (kg)			4.5
Chemical substances released (kg)			8,715
Sewage		Wastewater (m ³)	87,923
		BOD (kg)	1,239
		Nitrogen (kg)	1,323
		Phosphorus (kg)	31
		Chemical substances transferred (kg)	77
Materials discarded		Recycled for profit (t)	1,805
		Recycled at a charge (t)	788
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	1,662

* Due to sewage disposal, there are no regulation values for COD

Substances subject to PRTR

Unit : kg/year

Substance number	Chemical name	Amount handled	Amount released			Amount transferred	Amount recycled	Amount removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
1	Water-soluble zinc compounds	1,332	—	—	—	133	—	—	1,199
80	Xylene	1,610	1,610	—	—	—	—	—	—
300	Toluene	6,969	6,969	—	—	—	—	—	—

Kagawa Plant

No. of Employees 858



Production items

- Tapered roller bearings

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.4	7.1	6.6
COD	40	33	28
BOD	40	38	36
SS	40	18	6.2

Unit : mg/l (Excluding Ph)

Index	Regulation value	Maximum	Average
Oil content	2.4	2.3	2.1
Nitrogen	48	17	12
Phosphorus	6.4	4.5	1.6

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler	Dust	0.24	0.02
	NOx	208	79
	SOx	4.0	1.0
Private power generator	Dust	0.08	0.03
	NOx	902.5	810
	SOx	4.0	0.5

Unit : Dust= g/Nm³ NOx= ppm SOx=Value K

* Less than regulatory amounts (950)

Noise / Vibration data

Unit : dB

Index	Regulation value	Maximum	Average
Noise	Morning	64	56
	Afternoon	64	56
	Evening	64	56
	Night	59	53
Vibration	Daytime	49	30
	Nighttime	46	28

Foul odor

Unit : ppm

Measurement item	Regulation value	Measurement
Acetaldehyde	0.04	0.013

- * Malodorous substances (22 substances) were measured.
- * All items not listed were below minimum determination limit.

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	946,329
		Water consumed (m ³)	364,695
		Chemical substances handled (kg)	7,830
	OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)
NOx (kg)			1,545
SOx (kg)			299
Chemical substances released (kg)			3,169
Waterways		Wastewater (m ³)	257,270
		COD (kg)	4,618
		Nitrogen (kg)	2,311
		Phosphorus (kg)	90
		Chemical substances transferred (kg)	6
Materials discarded		Recycled for profit (t)	8,881
		Recycled at a charge (t)	1,263
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	154

Substances subject to PRTR

Unit : kg/year

Substance number	Chemical name	Amount handled	Amount released			Amount transferred	Amount recycled	Amount removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
80	Xylene	3,051	3,051	—	—	—	—	—	—
438	Methylnaphthalene	2,240	11	—	—	—	—	2,229	—

Environmental Data by Operations Base ④

This page includes the environmental data for the Nara Plant and Higashi-kariya operations center, out of our 13 locations, including 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2012 to March 2013

Nara Plant

No. of Employees 1,787



Production items

- Electric power steering
- Hydraulic power steering
- Manual steering

Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	215,888
		Water consumed (m ³)	70,823
		Chemical substances handled (kg)	15,009
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	8,260
		NOx (kg)	131
		SOx (kg)	233
		Chemical substances released (kg)	12,038
	Waterways	Wastewater (m ³)	37,578
		COD (kg)	289
		Nitrogen (kg)	550
		Phosphorus (kg)	103
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	1,154
		Recycled at a charge (t)	539
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	94

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.4	7.4	7.2
COD	12	12	8.2
BOD	12	2.0	1.1
SS	20	0.60	0.60
Oil content	2.4	1.3	1.3

Unit: mg/l (Excluding Ph)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	0.8	0.09	0.05
Soluble manganese	0.8	0.05	0.03
Nitrogen	40	46*	17
Phosphorus	15	4.1	3.0

* Less than regulatory amounts

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
No. 1 Plant, No. 1 (Boiler)	Dust	0.24	0.008
	NOx	144	59
	SOx	1.6	0.031
No. 1 Plant, No. 2 (Boiler)	Dust	0.24	0.011
	NOx	144	56
	SOx	1.6	0.034
South No. 2 Plant (Boiler)	Dust	0.24	ND
	NOx	144	36
	SOx	1.6	ND

Unit: Dust= g/Nm³ NOx= ppm SOx= Value K

Noise / Vibration data

Unit: dB

Index	Regulation value	Maximum	Average
Noise	Morning	64	59
	Afternoon	67	61
	Evening	64	60
	Night	54	54
Vibration	Daytime	60	44
	Nighttime	55	42

Foul odor

- * Malodorous substances (22 substances) were measured.
- * All items were below minimum determination limit.

Substances subject to PRTR

Unit: kg/year

Substance number	Chemical name	Amount handled	Amount released				Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil	Sewage			
80	Xylene	9,163	9,163	—	—	—	—	—	
300	Toluene	2,860	2,860	—	—	—	—	—	
438	Methylnaphthalene	1,192	—	—	—	—	1,192	—	

Higashi-kariya operations center

No. of Employees 103



Overall environmental data

		Classification	Volume
INPUT		Energy consumption (GJ)	23,335
		Water consumed (m ³)	4,321
		Chemical substances handled (kg)	0
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	973
		NOx (kg)	273
		SOx (kg)	95
		Chemical substances released (kg)	0
	Waterways	Wastewater (m ³)	3,838
		COD (kg)	16
		Nitrogen (kg)	25
		Phosphorus (kg)	0.014
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	34
		Recycled at a charge (t)	29
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	0

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	6.0~8.3	7.8	7.2
COD	(16)	6.4	3.9
BOD	(16)	3.2	1.4
SS	(16)	1.7	1.1
Oil content	4	1.1	0.22
Zinc	1.6	0.16	0.13

Unit: mg/l (Excluding Ph)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	4	0.50	0.47
Soluble manganese	4	0.25	0.18
Fluorine	6.4	0.12	0.12
Nitrogen	48	32	12
Phosphorus	6.4	0.01	0.01
Boron	8	0.04	0.02

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (Hot and cold water generator)	Dust	0.12	ND
	NOx	104	71
	SOx	0.456	ND

Unit: Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Unit: dB

Index	Regulation value	Maximum	Average
Noise	Morning	64	55
	Afternoon	69	52
	Evening	64	55
	Night	59	55
Vibration	Daytime	68	41
	Nighttime	63	42

Foul odor

Measurement item	Regulation value	Measurement
Odor index	12	Less than 10

Substances subject to PRTR

* No substances had handling amounts of over 1,000 kg/year

Environmental Data by Operations Base ⑤

This page includes the environmental data for the Toyohashi Plant and Tadamisaki Plant, out of our 13 locations, including 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2012 to March 2013

Toyohashi Plant

No. of Employees 862



Production items

- Hydraulic power steering
- Manual steering
- Safety handle column

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	6.1~8.0	7.3	6.9
COD	16	10	6.2
BOD	16	4.9	1.8
SS	24	13	3.9

Unit: mg/l (Excluding Ph)

Index	Regulation value	Results	
		Maximum	Average
Oil content	4	1.0	1.0
Nitrogen	48	48	16
Phosphorus	6.4	2.9	0.94

Overall environmental data

		Classification	Volume
INPUT	Energy consumption (GJ)		345,552
	Water consumed (m ³)		58,499
	Chemical substances handled (kg)		2,717
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	13,353
		NOx (kg)	1,246
		SOx (kg)	60
		Chemical substances released (kg)	622
	Waterways	Wastewater (m ³)	15,871
		COD (kg)	110
		Nitrogen (kg)	282
		Phosphorus (kg)	16
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	2,988
		Recycled at a charge (t)	504
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	554

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
No. 1 Plant (Boiler)	Dust	0.03	0.002
	NOx	120	34
	SOx	1.0	0.004
No. 2 Plant (Hot and cold water generator)	Dust	0.03	0.001
	NOx	120	35
	SOx	1.0	0.002
No. 3 Plant (Hot and cold water generator)	Dust	0.10	0.056
	NOx	140	64
	SOx	1.0	0.002

Unit: Dust= g/Nm³ NOx= ppm SOx= Value K

Noise / Vibration data

Unit: dB

Index	Regulation value	Maximum	Average
Noise	Morning	60	58
	Afternoon	65	64
	Evening	64	61
	Night	59	56
Vibration	Daytime	55	41
	Nighttime	50	34

Foul odor

Measurement item	Regulation value	Measurement
Odor index	14	10

Substances subject to PRTR

Unit: kg/year

Substance number	Chemical name	Amount handled	Amount released			Amount transferred	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
453	Molybdenum and its compounds	1,318	-	-	-	-	-	-	1,318

Tadamisaki Plant

No. of Employees 1,182



Production items

- Drive shafts
- 4WD coupling

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	6.1~8.3	7.6	7.3
COD	12	8.3	6.6
BOD	12	2.7	1.7
SS	24	3.0	1.3
Oil content	1.6	0.50	0.50
Zinc	4	0.08	0.08

Unit: mg/l (Excluding Ph)

Index	Regulation value	Maximum	Average
Soluble iron	2.4	0.10	0.10
Soluble manganese	1.6	0.10	0.10
Fluorine	6.4	0.10	0.10
Nitrogen	(34.8)	14	8.5
Phosphorus	(3.6)	0.34	0.23
Boron	8	0.10	0.10

Overall environmental data

		Classification	Volume
INPUT	Energy consumption (GJ)		656,984
	Water consumed (m ³)		131,315
	Chemical substances handled (kg)		877
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	24,943
		NOx (kg)	1,348
		SOx (kg)	17
		Chemical substances released (kg)	74
	Waterways	Wastewater (m ³)	57,972
		COD (kg)	494
		Nitrogen (kg)	652
		Phosphorus (kg)	5.0
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	9,295
		Recycled at a charge (t)	626
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	31

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (Hot and cold water generator)	Dust	0.1	0.001
	NOx	104	38
	SOx	0.6	0.001
Continuous carburizing furnace	Dust	0.1	0.001
	NOx	104	10
	SOx	0.6	0.001

Unit: Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Unit: dB

Index	Regulation value	Maximum	Average
Noise	Morning	64	61
	Afternoon	69	61
	Evening	64	60
	Night	59	59
Vibration	Daytime	55	44
	Nighttime	50	44

Foul odor

Measurement item	Regulation value	Measurement
Odor index	16	10

Substances subject to PRTR

* No substances had handling amounts of over 1,000 kg/year

Environmental Data by Operations Base ⑥

This page includes the environmental data for the Hanazono Plant and Kameyama Plant, out of our 13 locations, including 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period]** April 2012 to March 2013

Hanazono Plant

No. of Employees 1,370



Production items

- Electric power steering
- Hydraulic power steering pump
- Control computer

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.3	7.7	7.3
COD	8	3.8	2.7
BOD	8	4.0	1.5
SS	8	1.5	1.1
Oil content	1.6	1.0	1.0
Zinc	0.8	0.08	0.05

Unit: mg/l (Excluding Ph)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	2.4	0.50	0.47
Soluble manganese	2.4	0.25	0.24
Fluorine	0.8	0.10	0.10
Nitrogen	(24)	17	12
Phosphorus	(2.4)	0.12	0.05
Boron	8	1.0	1.0

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Compact once-through boiler	Dust	0.08	0.002
	NOx	100	23
	SOx	6.07	0.01
Boiler (Hot and cold water generator)	Dust	0.08	0.002
	NOx	100	43
	SOx	6.07	0.01

Unit: Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Unit: dB

Index	Regulation value	Results	
		Maximum	Average
Noise	Morning	60	51
	Afternoon	60	53
	Evening	60	46
	Night	56	45
Vibration	Daytime	60	53
	Nighttime	56	35

Foul odor

Measurement item	Regulation value	Measurement
Odor index	14	10

Overall environmental data

		Classification	Volume
INPUT	Energy consumption (GJ)		284,574
	Water consumed (m ³)		92,941
	Chemical substances handled (kg)		912
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	11,203
		NOx (kg)	442
		SOx (kg)	118
		Chemical substances released (kg)	239
	Waterways	Wastewater (m ³)	78,662
		COD (kg)	246
		Nitrogen (kg)	876
		Phosphorus (kg)	4.2
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	838
		Recycled at a charge (t)	365
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	132

Substances subject to PRTR

* No substances had handling amounts of over 1,000 kg /year

Kameyama Plant

No. of Employees 302



Production items

- Ball bearings
- Clutch bearings

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.9~8.0	7.7	7.3
COD	8	6.0	2.6
BOD	8	2.0	1.3
SS	20	5.0	1.6
Oil content	1	0.50	0.50
Zinc	4	0.02	0.01

Unit: mg/l (Excluding Ph)

Index	Regulation value	Results	
		Maximum	Average
Soluble iron	8	0.03	0.02
Soluble manganese	1.6	0.02	0.02
Fluorine	6.4	0.10	0.10
Nitrogen	50	28	18
Phosphorus	1	0.69	0.17
Boron	8	0.06	0.06

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
No. 1 Plant (Boiler)	Dust	0.1	0.005
	NOx	144	52
	SOx	1.65	0.11

Unit: Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Unit: dB

Index	Regulation value	Results	
		Maximum	Average
Noise	Morning	64	55
	Afternoon	69	58
	Evening	64	50
	Night	54	50
Vibration	Daytime	63	52
	Nighttime	58	50

Foul odor

- * Malodorous substances (22 substances) were measured.
- * All items were below minimum determination limit.

Overall environmental data

		Classification	Volume
INPUT	Energy consumption (GJ)		156,755
	Water consumed (m ³)		25,695
	Chemical substances handled (kg)		5,210
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	6,099
		NOx (kg)	417
		SOx (kg)	185
		Chemical substances released (kg)	748
	Waterways	Wastewater (m ³)	16,364
		COD (kg)	49
		Nitrogen (kg)	280
		Phosphorus (kg)	2.8
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	711
		Recycled at a charge (t)	259
		Waste (incineration+landfill) (t)	0
		Chemical substances transferred (kg)	746

Substances subject to PRTR

Unit: kg/year

Substance number	Chemical name	Amount handled	Amount released			Amount transferred	Amount recycled	Amount Removed and treated	Amount consumed
			Atmosphere	Waterways	Soil				
438	Methylnaphthalene	1,818	9	-	-	-	-	1,809	-

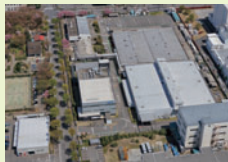
Environmental Data by Operations Base ⑦

This page includes the environmental data for the Sayama Plant, out of our 13 locations, including 12 domestic plants and 1 operations center.

[Chemicals] Substances subject to PRTR **[Atmosphere]** Measured values are the maximum values **[Water quality]** pH: Hydrogen-ion concentration/ COD:Chemical oxygen demand/ BOD: Biochemical oxygen demand/ SS: Suspended solids in water/ Oil content: N-hexane extract content/ ND: Lower than determination limit/ Values in parenthesis show the daily average values **[Regulated value]** JTEKT internal standards (some more stricter than regulatory amounts) **[Substances subject to PRTR]** Shows substances which are handled in amounts of 1,000 kg/year or more. Substance number shows the legislative number for each of the No. 1 type chemical substances of the PRTR regulations. Removal processing amount is the amount of substances subject to PRTR which are incinerated, neutralized, broken down, put through reaction treatment, etc. within JTEKT premises. Consumed amount is the amount of substances subject to PRTR which are changed to another substance through reaction treatment, or removed from JTEKT premises in, or attached to, products. **[Target period] April 2012 to March 2013**

Sayama Plant

No. of Employees 67



Production items
● TORSEN

On October 1st, 2013, JTEKT will merger with Toyoda-Koki Automotive Torsen Co. and establish the Sayama Plant

Water quality measurement data

Index	Regulation value	Results	
		Maximum	Average
pH	5.0~9.0	7.2	7.2
Oil content	3.5	ND	ND
Nitrogen	192	20	20
Phosphorus	26	ND	ND

Unit : mg/l (Excluding Ph)

Atmosphere measurement data

Facility	Index	Regulation value	Maximum value
Boiler (for air conditioning)	Dust	0.1	0.003
	NOx	120	71
	SOx	3.3	0.005

Unit : Dust= g/Nm³ NOx= ppm SOx=Nm³/hr

Noise / Vibration data

Index	Regulation value	Maximum	Average	
			Daytime	Nighttime
Noise	64	60	Morning	57
			Afternoon	57
			Evening	55
			Night	53
Vibration	Unmeasured	Unmeasured	Daytime	
			Nighttime	

Foul odor

* Unmeasured

Overall environmental data

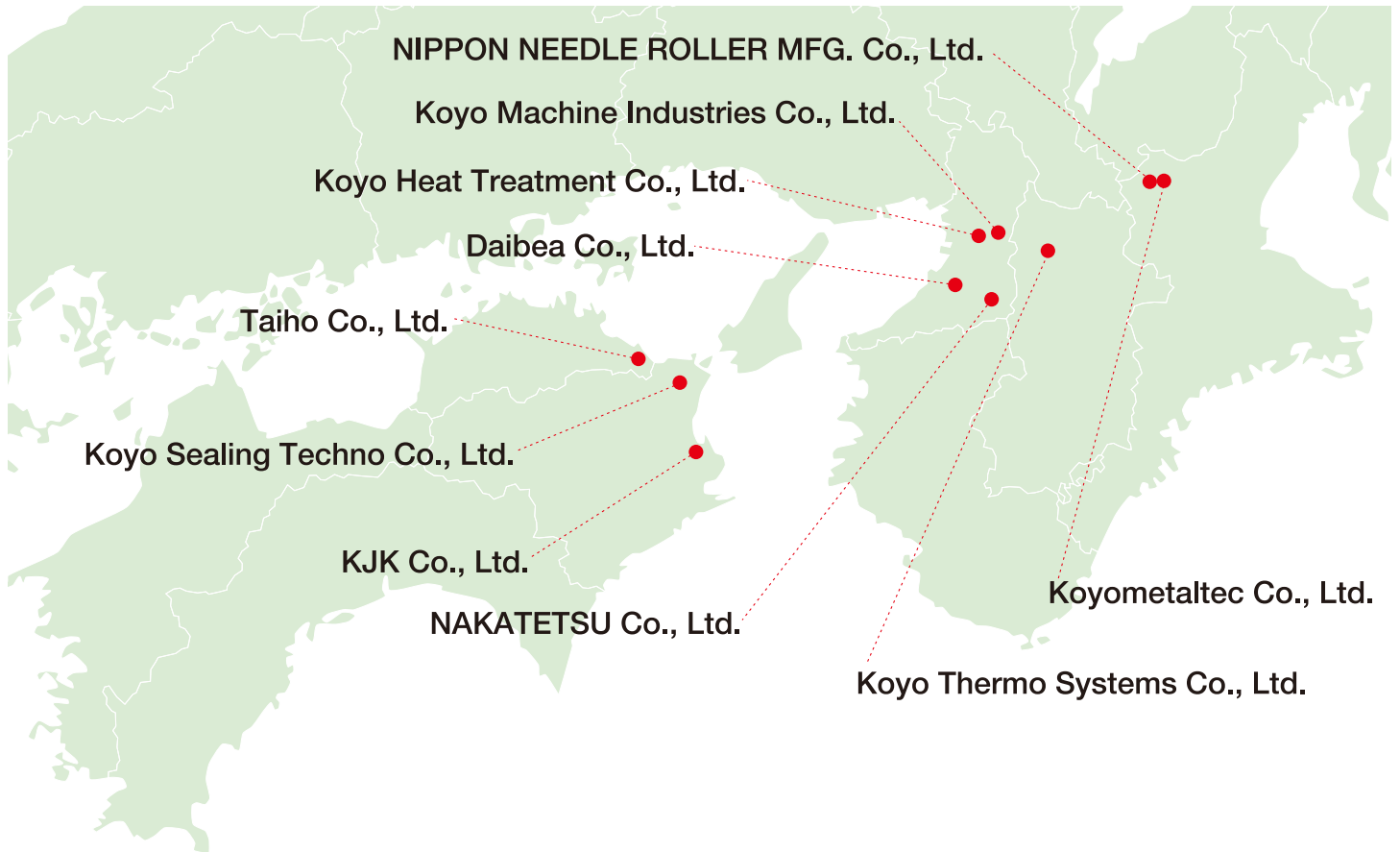
INPUT		Classification	Volume
		Energy consumption (GJ)	33,583
		Water consumed (m ³)	5,283
		Chemical substances handled (kg)	2,156
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	1,376
		NOx (kg)	235
		SOx (kg)	33
		Chemical substances released (kg)	2,156
	Waterways	Wastewater (m ³)	3,012
		COD (kg)	—
		Nitrogen (kg)	60
		Phosphorus (kg)	0
		Chemical substances transferred (kg)	0
	Materials discarded	Recycled for profit (t)	674
Recycled at a charge (t)		105	
Waste (incineration+landfill) (t)		5	
Chemical substances transferred (kg)		0	

Substances subject to PRTR

Substance number	Chemical name	Amount handled	Amount released			Amount transferred		Amount recycled	Amount removed and treated	Amount consumed
			Atmosphere	Waterways	Soil	Sewage	Waste			
296	1,2,4-Trimethylbenzene	1,102	6	—	—	—	—	—	1,096	—

Unit : kg/year

Global business sites [Domestic group production companies]



Koyo Machine Industries Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	214,941	
	Water consumed (km ³)	35.3	
	Chemical substances handled (t)	8.4	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	8,241
		Chemical substances released (t)	4.8
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (t)	2,464
	Materials Discarded	Waste output (t)	1,322
		Chemical substances transferred (t)	3.6

Koyo Sealing Techno Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	160,490	
	Water consumed (km ³)	137.8	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	6,933
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	507
	Materials Discarded	Waste output (t)	18
		Chemical substances transferred (t)	-

Koyo Thermo Systems Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	67,528	
	Water consumed (km ³)	15.3	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	2,683
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	115
	Materials Discarded	Waste output (t)	193
		Chemical substances transferred (t)	-

Daibea Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	317,577	
	Water consumed (km ³)	56.5	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	12,158
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	612
	Materials Discarded	Waste output (t)	1,119
		Chemical substances transferred (t)	-

Koyometaltec Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	598,374	
	Water consumed (km ³)	117.9	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	23,398
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	12,477
	Materials Discarded	Waste output (t)	693
		Chemical substances transferred (t)	-

KJK Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	47,354	
	Water consumed (km ³)	1.5	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	1,769
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	3,032
	Materials Discarded	Waste output (t)	5
		Chemical substances transferred (t)	-

NIPPON NEEDLE ROLLER MFG. Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	74,432	
	Water consumed (km ³)	40.7	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	2,942
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	128
	Materials Discarded	Waste output (t)	703
		Chemical substances transferred (t)	-

Koyo Heat Treatment Co., Ltd.

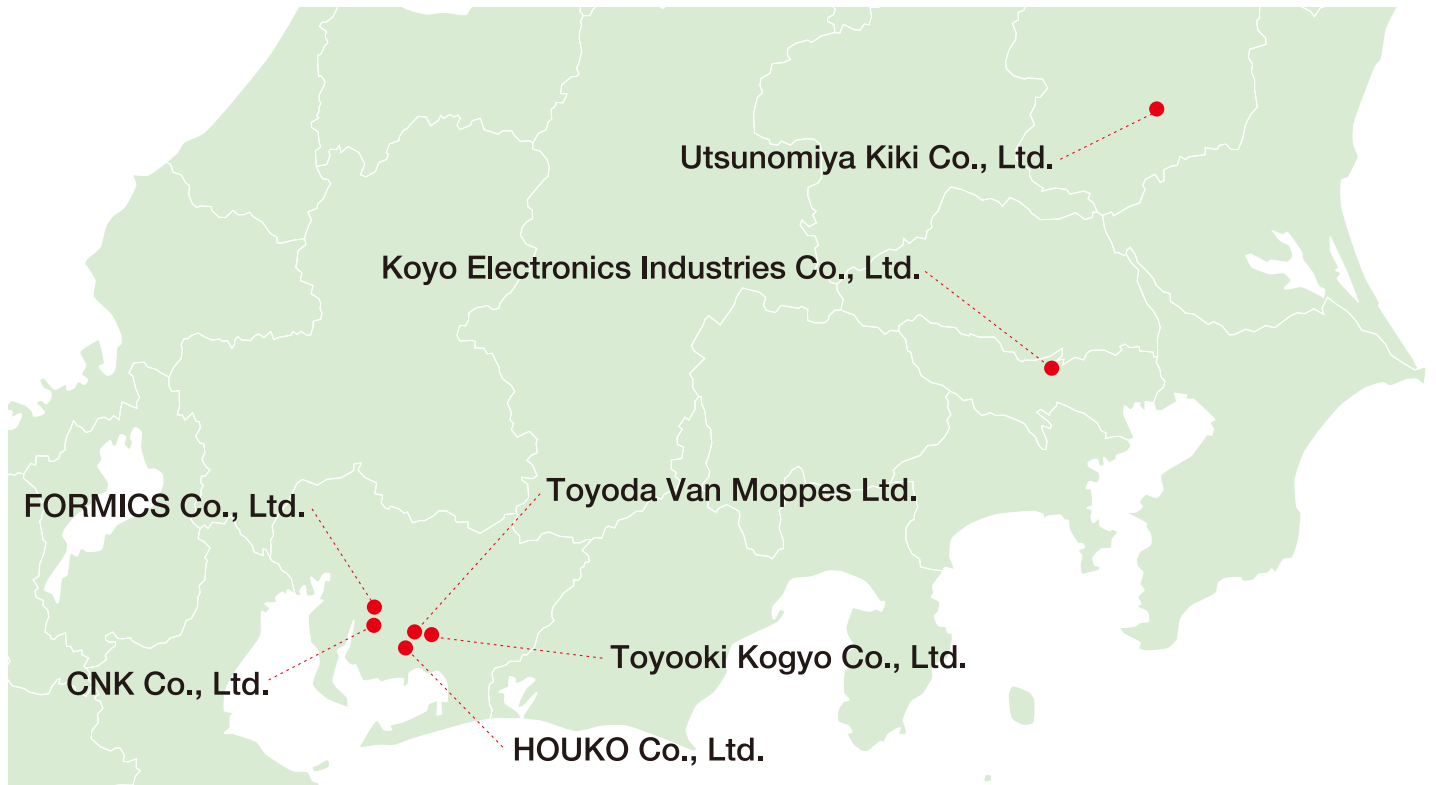
Classification		Volume	
INPUT	Energy Consumption (GJ)	359,561	
	Water consumed (km ³)	34.4	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	15,418
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	289
	Materials Discarded	Waste output (t)	49
		Chemical substances transferred (t)	-

Taiho Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	99,936	
	Water consumed (km ³)	5.8	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	3,779
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	5,284
	Materials Discarded	Waste output (t)	0
		Chemical substances transferred (t)	-

NAKATETSU Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	311,823	
	Water consumed (km ³)	9.0	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	12,344
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	11,268
	Materials Discarded	Waste output (t)	430
		Chemical substances transferred (t)	-



Toyooki Kogyo Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	86,247	
	Water consumed (km ³)	25.0	
	Chemical substances handled (t)	6.3	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	3,238
		Chemical substances released (t)	6.3
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (t)	505
	Materials Discarded	Waste output (t)	244
		Chemical substances transferred (t)	0

CNK Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	271,529	
	Water consumed (km ³)	82.9	
	Chemical substances handled (t)	16.5	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	10,743
		Chemical substances released (t)	10.1
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (t)	101
	Materials Discarded	Waste output (t)	693
		Chemical substances transferred (t)	6.4

Koyo Electronics Industries Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	32,260	
	Water consumed (km ³)	8.4	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	1,228
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	42
	Materials Discarded	Waste output (t)	17
		Chemical substances transferred (t)	-

Utsunomiya Kiki Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	136,453	
	Water consumed (km ³)	64.1	
	Chemical substances handled (t)	-	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	5,154
		Chemical substances released (t)	-
	Public water area	Chemical substances transferred (t)	-
		Recycled for profit (t)	2,458
	Materials Discarded	Waste output (t)	198
		Chemical substances transferred (t)	-

HOUKO Co., Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	31,482	
	Water consumed (km ³)	4.4	
	Chemical substances handled (t)	7.9	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	1,255
		Chemical substances released (t)	7.9
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (t)	221
	Materials Discarded	Waste output (t)	37
		Chemical substances transferred (t)	0

Toyoda Van Moppes Ltd.

Classification		Volume	
INPUT	Energy Consumption (GJ)	25,084	
	Water consumed (km ³)	11.0	
	Chemical substances handled (t)	2.6	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	935
		Chemical substances released (t)	2.3
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (t)	132
	Materials Discarded	Waste output (t)	90
		Chemical substances transferred (t)	0

FORMICS Co., Ltd.

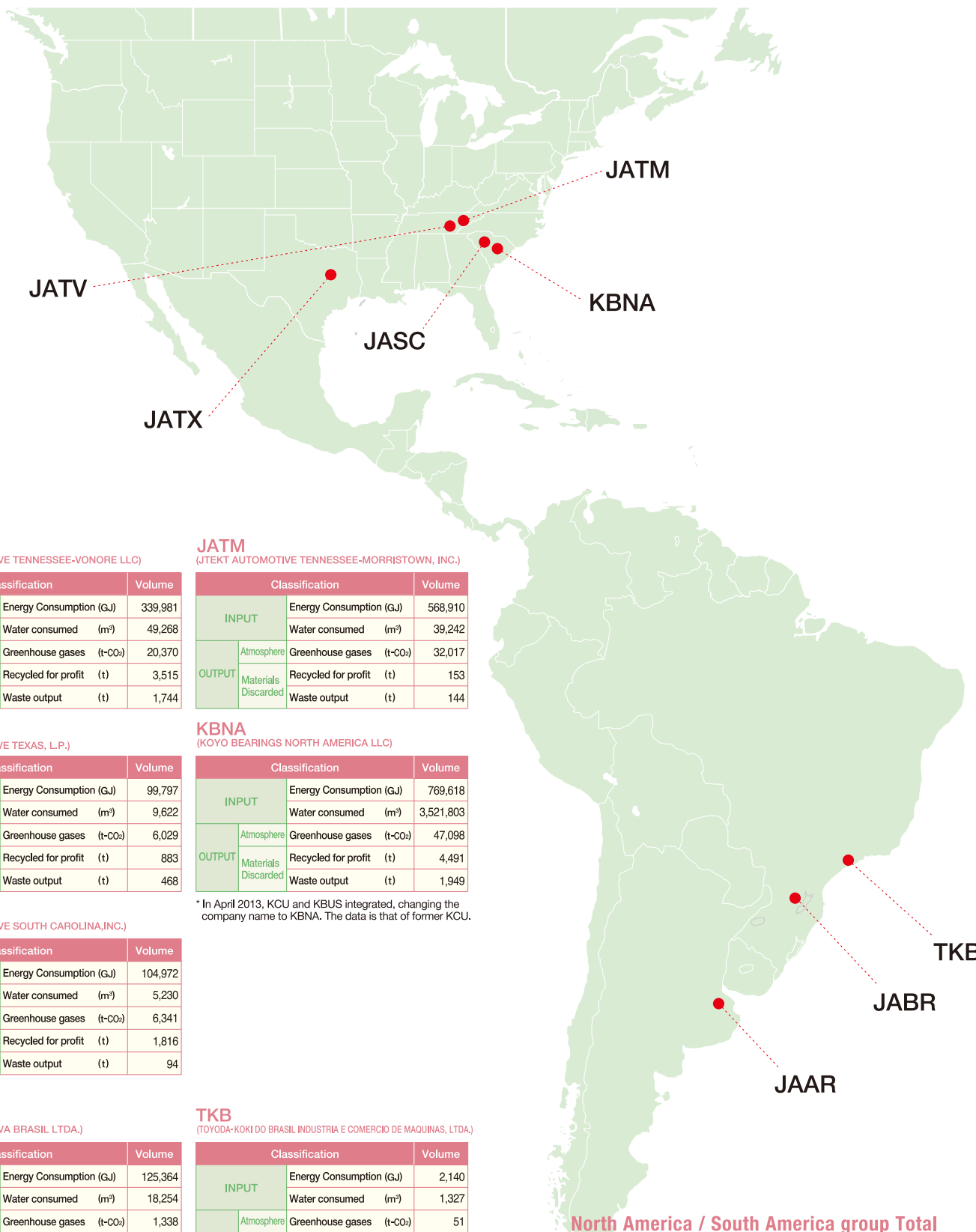
Classification		Volume	
INPUT	Energy Consumption (GJ)	13,279	
	Water consumed (km ³)	1.7	
	Chemical substances handled (t)	4.9	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	519
		Chemical substances released (t)	4.9
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (t)	541
	Materials Discarded	Waste output (t)	29
		Chemical substances transferred (t)	0

Domestic group Total

Classification		Volume	
INPUT	Energy Consumption (GJ)	2,848,349	
	Water consumed (km ³)	652	
	Per base unit (km ³ /100 million yen)	0.69	
	Chemical substances handled (t)	46.7	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	112,737
		Per base unit (t-CO ₂ /100 million yen)	118.8
		Chemical substances released (t)	36.4
	Public water area	Chemical substances transferred (t)	0
		Recycled for profit (t)	40,175
	Materials Discarded	Waste output (t)	5,838
		Basic emissions unit (t/100 million yen)	48.5
		Chemical substances transferred (t)	10.0

* Emissions = Amount of recyclables sold + amount of waste disposed
 * Includes chemical substances subject to PRTR which have a handling amount of 1000 kg/year or more.

Global business sites [North America/South America]



JATV
(JTEKT AUTOMOTIVE TENNESSEE-VONORE LLC)

Classification		Volume
INPUT	Energy Consumption (GJ)	339,981
	Water consumed (m ³)	49,268
OUTPUT	Atmosphere Greenhouse gases (t-CO ₂)	20,370
	Materials Recycled for profit (t)	3,515
	Discarded Waste output (t)	1,744

JATM
(JTEKT AUTOMOTIVE TENNESSEE-MORRISTOWN, INC.)

Classification		Volume
INPUT	Energy Consumption (GJ)	568,910
	Water consumed (m ³)	39,242
OUTPUT	Atmosphere Greenhouse gases (t-CO ₂)	32,017
	Materials Recycled for profit (t)	153
	Discarded Waste output (t)	144

JATX
(JTEKT AUTOMOTIVE TEXAS, L.P.)

Classification		Volume
INPUT	Energy Consumption (GJ)	99,797
	Water consumed (m ³)	9,622
OUTPUT	Atmosphere Greenhouse gases (t-CO ₂)	6,029
	Materials Recycled for profit (t)	883
	Discarded Waste output (t)	468

KBNA
(KOYO BEARINGS NORTH AMERICA LLC)

Classification		Volume
INPUT	Energy Consumption (GJ)	769,618
	Water consumed (m ³)	3,521,803
OUTPUT	Atmosphere Greenhouse gases (t-CO ₂)	47,098
	Materials Recycled for profit (t)	4,491
	Discarded Waste output (t)	1,949

JASC
(JTEKT AUTOMOTIVE SOUTH CAROLINA, INC.)

Classification		Volume
INPUT	Energy Consumption (GJ)	104,972
	Water consumed (m ³)	5,230
OUTPUT	Atmosphere Greenhouse gases (t-CO ₂)	6,341
	Materials Recycled for profit (t)	1,816
	Discarded Waste output (t)	94

* In April 2013, KCU and KBUS integrated, changing the company name to KBNA. The data is that of former KCU.

JABR
(JTEKT AUTOMOTIVA BRASIL LTDA.)

Classification		Volume
INPUT	Energy Consumption (GJ)	125,364
	Water consumed (m ³)	18,254
OUTPUT	Atmosphere Greenhouse gases (t-CO ₂)	1,338
	Materials Recycled for profit (t)	928
	Discarded Waste output (t)	439

TKB
(TOYODA-KOKI DO BRASIL INDUSTRIA E COMERCIO DE MAQUINAS, LTDA.)

Classification		Volume
INPUT	Energy Consumption (GJ)	2,140
	Water consumed (m ³)	1,327
OUTPUT	Atmosphere Greenhouse gases (t-CO ₂)	51
	Materials Recycled for profit (t)	1
	Discarded Waste output (t)	27

JAAR
(JTEKT AUTOMOTIVE ARGENTINA S.A.)

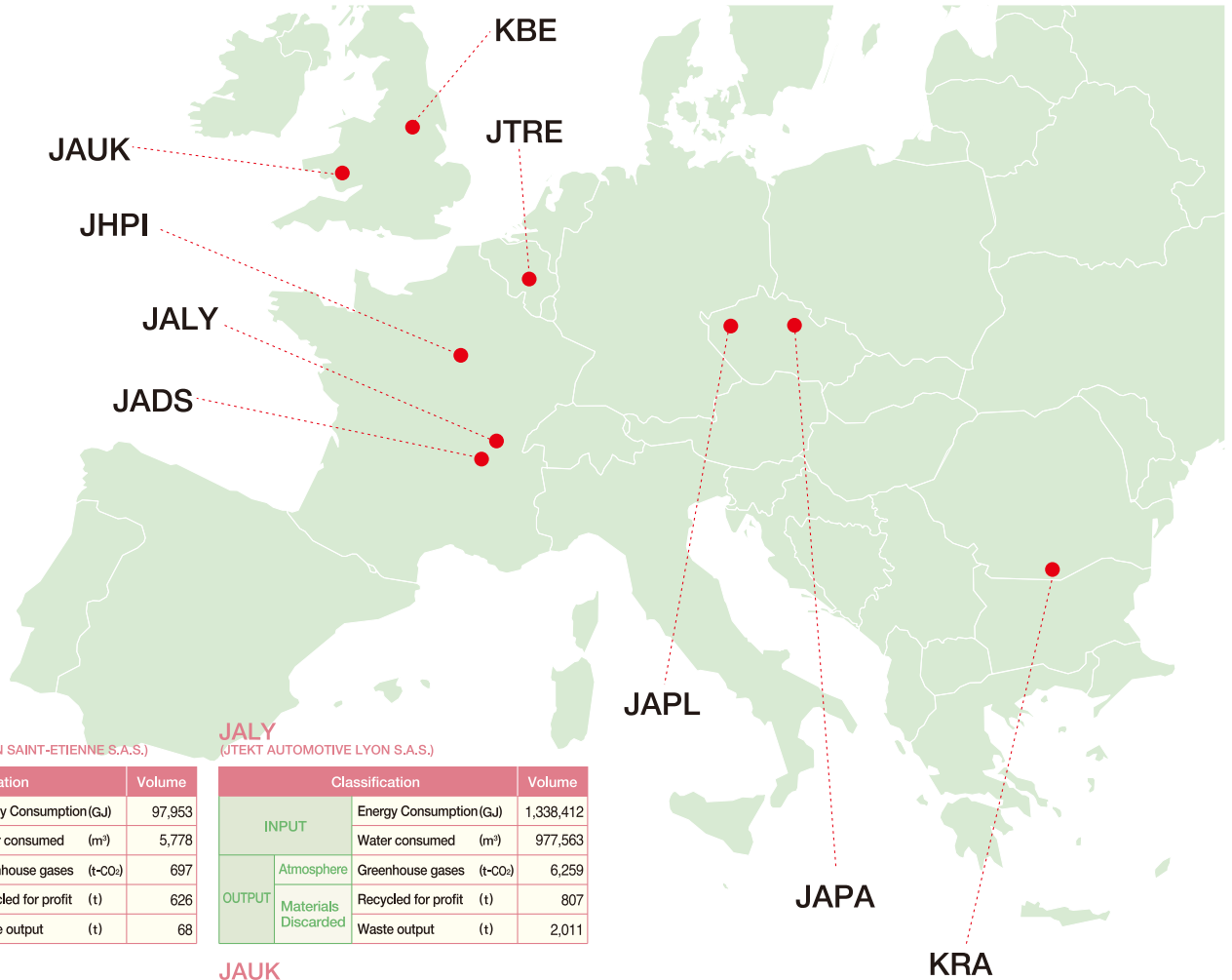
Classification		Volume
INPUT	Energy Consumption (GJ)	6,997
	Water consumed (m ³)	1,666
OUTPUT	Atmosphere Greenhouse gases (t-CO ₂)	209
	Materials Recycled for profit (t)	0
	Discarded Waste output (t)	29

North America / South America group Total

Classification		Volume
INPUT	Energy Consumption (GJ)	2,017,779
	Water consumed (km ³)	3,646
	Per base unit (km ³ /100 million yen)	2.6
OUTPUT	Atmosphere Greenhouse gases (t-CO ₂)	113,453
	Per base unit (t-CO ₂ /100 million yen)	81.7
	Materials Recycled for profit (t)	11,787
	Discarded Waste output (t)	4,894
	Basic emissions unit (t/100 million yen)	12.0

* Emissions = Amount of recyclables sold + amount of waste disposed

Global business sites [Europe]



JADS
(JTEKT AUTOMOTIVE DIJON SAINT-ETIENNE S.A.S.)

Classification		Volume	
INPUT	Energy Consumption (GJ)	97,953	
	Water consumed (m³)	5,778	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	697
	Materials Discarded	Recycled for profit (t)	626
		Waste output (t)	68

JALY
(JTEKT AUTOMOTIVE LYON S.A.S.)

Classification		Volume	
INPUT	Energy Consumption (GJ)	1,338,412	
	Water consumed (m³)	977,563	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	6,259
	Materials Discarded	Recycled for profit (t)	807
		Waste output (t)	2,011

JHPI
(JTEKT HPI S.A.S.)

Classification		Volume	
INPUT	Energy Consumption (GJ)	117,813	
	Water consumed (m³)	4,979	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	717
	Materials Discarded	Recycled for profit (t)	176
		Waste output (t)	258

JAUK
(JTEKT AUTOMOTIVE UK LTD.)

Classification		Volume	
INPUT	Energy Consumption (GJ)	31,475	
	Water consumed (m³)	701	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	1,095
	Materials Discarded	Recycled for profit (t)	325
		Waste output (t)	46

KBE
(KOYO BEARINGS (EUROPE) LTD.)

Classification		Volume	
INPUT	Energy Consumption (GJ)	211,094	
	Water consumed (m³)	948,067	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	11,590
	Materials Discarded	Recycled for profit (t)	1,375
		Waste output (t)	789

JAPL
(JTEKT AUTOMOTIVE CZECH PLZEN, S.R.O.)

Classification		Volume	
INPUT	Energy Consumption (GJ)	56,308	
	Water consumed (m³)	9,311	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	3,168
	Materials Discarded	Recycled for profit (t)	177
		Waste output (t)	282

JAPA
(JTEKT AUTOMOTIVE CZECH PARDUBICE, S.R.O.)

Classification		Volume	
INPUT	Energy Consumption (GJ)	149,138	
	Water consumed (m³)	8,205	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	7,784
	Materials Discarded	Recycled for profit (t)	288
		Waste output (t)	455

JTRE
(JTEKT TORSSEN EUROPE S.A.)

Classification		Volume	
INPUT	Energy Consumption (GJ)	46,865	
	Water consumed (m³)	2,449	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	1,296
	Materials Discarded	Recycled for profit (t)	1,222
		Waste output (t)	346

KRA
(KOYO ROMANIA S.A.)

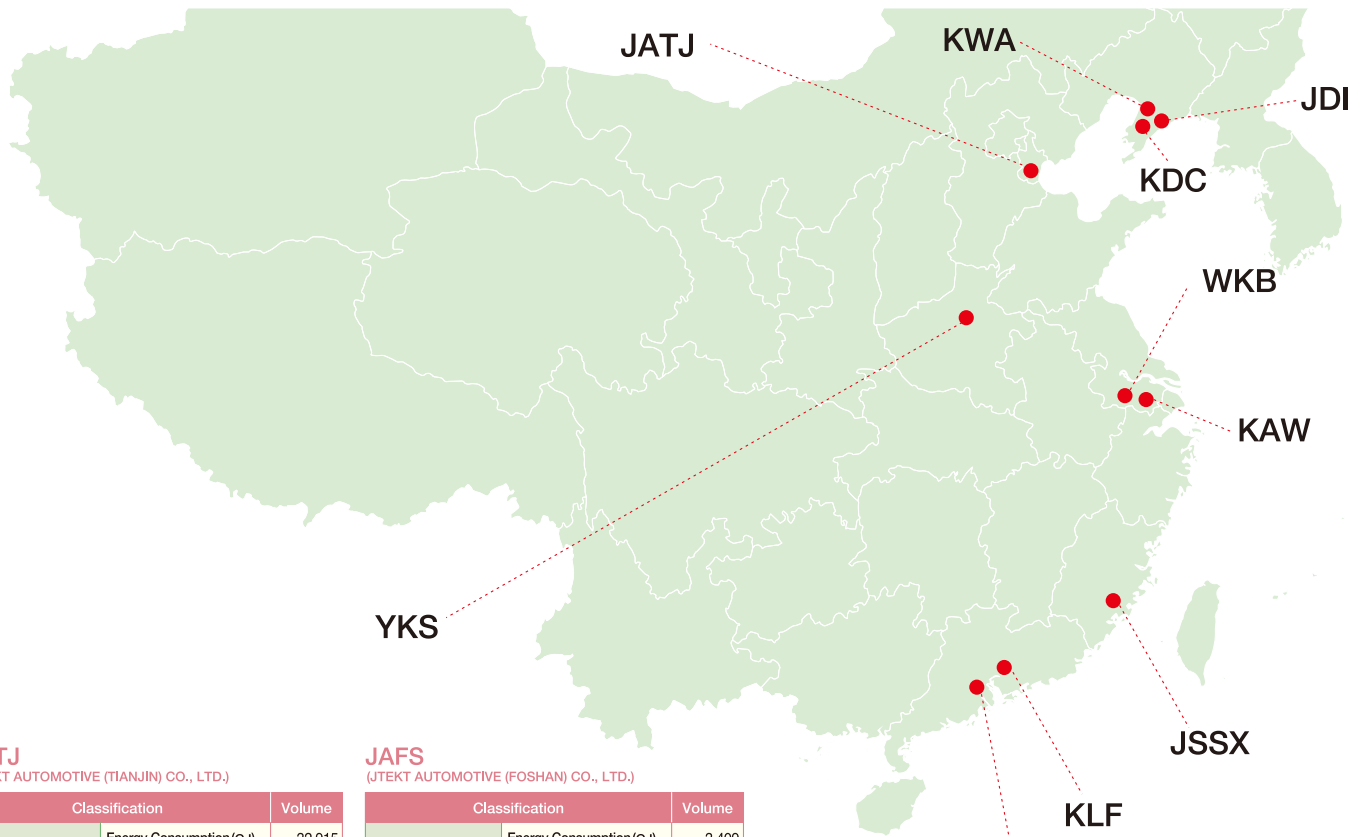
Classification		Volume	
INPUT	Energy Consumption (GJ)	593,366	
	Water consumed (m³)	166,838	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	23,137
	Materials Discarded	Recycled for profit (t)	11,586
		Waste output (t)	427

Europe group Total

Classification		Volume	
INPUT	Energy Consumption (GJ)	2,642,424	
	Water consumed (km³)	2,124	
	Per base unit (km³/100 million yen)	1.6	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	55,742
		Per base unit (t-CO ₂ /100 million yen)	41.6
	Materials Discarded	Recycled for profit (t)	16,582
		Waste output (t)	4,682
		Basic emissions unit (t/100 million yen)	15.9

* Emissions = Amount of recyclables sold + amount of waste disposed

Global business sites [China]



JATJ
(JTEKT AUTOMOTIVE (TIANJIN) CO., LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	32,915	
	Water consumed (m³)	16,341	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 2,307	
	Materials Discarded	Recycled for profit (t)	461
		Waste output (t)	86

JAFS
(JTEKT AUTOMOTIVE (FOSHAN) CO., LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	3,409	
	Water consumed (m³)	1,247	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 253	
	Materials Discarded	Recycled for profit (t)	0
		Waste output (t)	0

JSSX
(JTEKT STEERING SYSTEMS (XIAMEN) CO., LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	47,943	
	Water consumed (m³)	8,675	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 3,558	
	Materials Discarded	Recycled for profit (t)	179
		Waste output (t)	9

WKB
(WUXI KOYO BEARING CO., LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	66,467	
	Water consumed (m³)	42,017	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 4,866	
	Materials Discarded	Recycled for profit (t)	0
		Waste output (t)	121

KWA
(DALIAN KOYO WAZHOU AUTOMOBILE BEARING CO., LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	41,130	
	Water consumed (m³)	7,281	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 2,925	
	Materials Discarded	Recycled for profit (t)	727
		Waste output (t)	140

KDC
(KOYO BEARING DALIAN CO., LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	83,567	
	Water consumed (m³)	21,119	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 6,184	
	Materials Discarded	Recycled for profit (t)	0
		Waste output (t)	172

KLF
(KOYO LIHO (FOSHAN) AUTOMOTIVE PARTS CO., LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	84,404	
	Water consumed (m³)	29,176	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 6,246	
	Materials Discarded	Recycled for profit (t)	1,721
		Waste output (t)	1,777

KAW
(KOYO AUTOMOTIVE PARTS (WUXI) CO., LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	168,023	
	Water consumed (m³)	24,186	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 12,222	
	Materials Discarded	Recycled for profit (t)	122
		Waste output (t)	67

JDI
(JTEKT DALIAN INNOVATION AUTOMOTIVE CO., LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	14,627	
	Water consumed (m³)	10,556	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 1,086	
	Materials Discarded	Recycled for profit (t)	675
		Waste output (t)	10

YKS
(YUBEI KOYO STEERING SYSTEMS CO., LTD.)

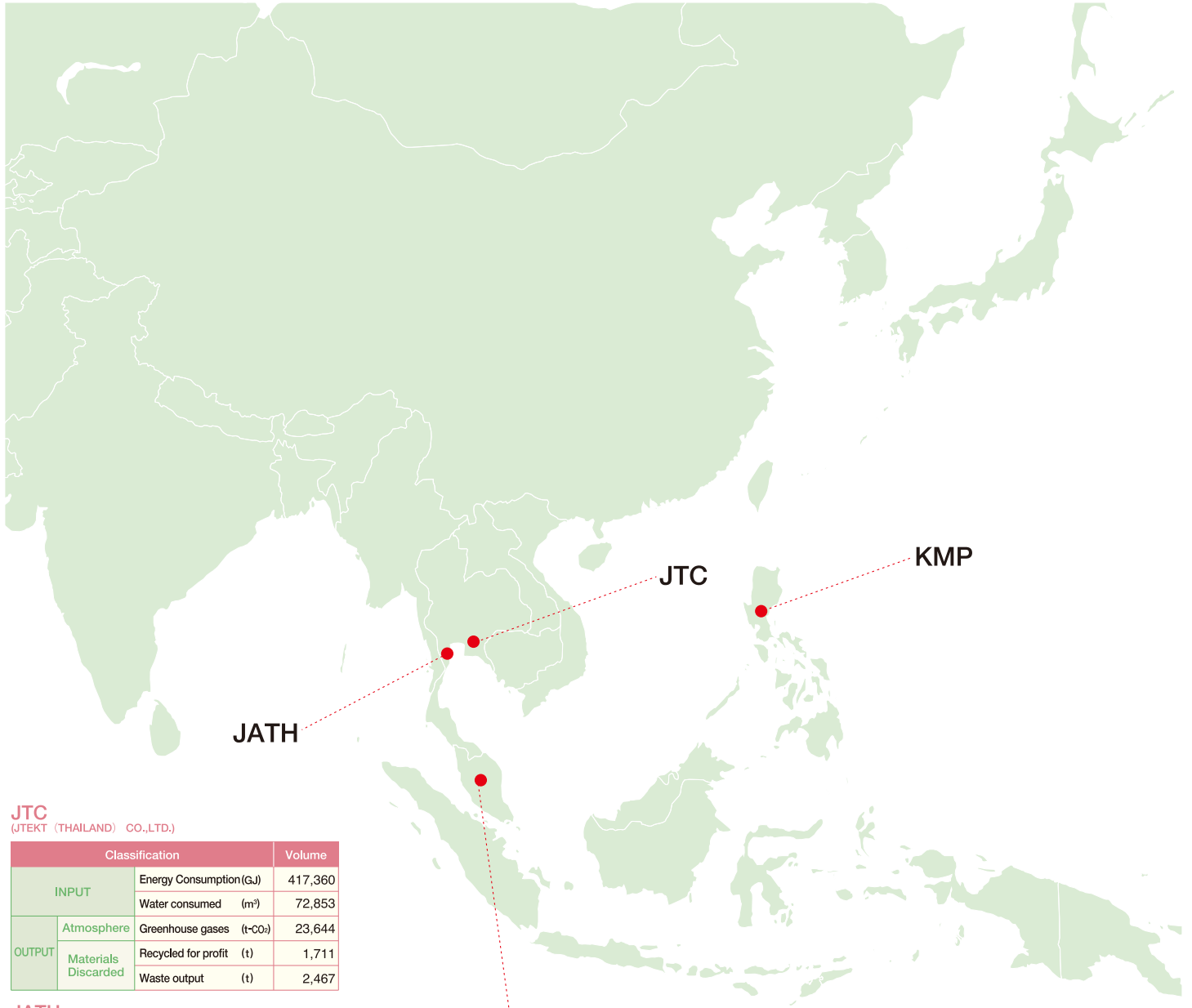
Classification		Volume	
INPUT	Energy Consumption(GJ)	57,100	
	Water consumed (m³)	27,187	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 4,224	
	Materials Discarded	Recycled for profit (t)	406
		Waste output (t)	80

China group Total

Classification		Volume
INPUT	Energy Consumption (GJ)	599,585
	Water consumed (km³)	188
	Per base unit (km³/100 million yen)	0.39
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 43,870
	Per base unit (t-CO ₂ /100 million yen)	91.9
		Materials Discarded
	Waste output (t)	2,462
	Basic emissions unit (t/100 million yen)	14.2

* Emissions = Amount of recyclables sold + amount of waste disposed

Global business sites [ASEAN]



JTC
(JTEKT (THAILAND) CO.,LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	417,360	
	Water consumed (m³)	72,853	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 23,644	
	Materials Discarded	Recycled for profit (t)	1,711
		Waste output (t)	2,467

JATH
(JTEKT AUTOMOTIVE (THAILAND) CO.,LTD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	284,154	
	Water consumed (m³)	70,329	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 16,030	
	Materials Discarded	Recycled for profit (t)	5,292
		Waste output (t)	1,740

JAMY
(JTEKT AUTOMOTIVE (MALAYSIA) SDN. BHD.)

Classification		Volume	
INPUT	Energy Consumption(GJ)	69,560	
	Water consumed (m³)	13,096	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 3,774	
	Materials Discarded	Recycled for profit (t)	0
		Waste output (t)	2,468

KMP
(KOYO MANUFACTURING (PHILIPPINES) CORPORATION)

Classification		Volume	
INPUT	Energy Consumption(GJ)	91,959	
	Water consumed (m³)	24,588	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂) 4,924	
	Materials Discarded	Recycled for profit (t)	61
		Waste output (t)	172

ASEAN group Total

Classification		Volume	
INPUT	Energy Consumption (GJ)	863,033	
	Water consumed (km³)	181	
	Per base unit (km³/100 million yen)	0.20	
OUTPUT	Atmosphere	Greenhouse gases (t-CO ₂)	48,373
		Per base unit (t-CO ₂ /100 million yen)	53.7
	Materials Discarded	Recycled for profit (t)	7,064
		Waste output (t)	6,847
		Basic emissions unit (t/100 million yen)	15.4

* Emissions = Amount of recyclables sold + amount of waste disposed